

SCHEDULE 2

METHODS OF ANALYSIS

PART I

8b.

DETERMINATION OF DIFFERENT FORMS OF NITROGEN IN THE SAME SAMPLE — IN THE ABSENCE OF CYANAMIDE NITROGEN

Total soluble nitrogen

3.5 Ureic nitrogen, either:

(3.5.1) *By conversion using urease*, into ammonia, which is determined by titration with a standard solution of hydrochloric acid;

or,

(3.5.2) *By gravimetry using xanthydrol*: although biuret will also be precipitated by xanthydrol, this should not give rise to a significant error in the determination since its level is generally low in absolute value in compound fertilisers,

or,

(3.5.3) *By difference*, according to the following table:

<i>Case</i>	<i>Nitric nitrogen</i>	<i>Ammoniacal nitrogen</i>	<i>Difference</i>
1	Absent	Present	(3.1.1) – (3.4)
2	Present	Present	(3.2) – (3.4)